

Title (en)

Electrostatic transducer and method for its production

Title (de)

Elektrostatischer Folienschallwandler und Verfahren zu dessen Herstellung

Title (fr)

Emetteur de son à feuille électrostatique et procédé destiné à sa fabrication

Publication

EP 2009950 A1 20081231 (DE)

Application

EP 07111302 A 20070628

Priority

EP 07111302 A 20070628

Abstract (en)

The transducer (1) has a substrate (2) i.e. polymer film, and two flat electrodes (3, 4) which are arranged laterally apart from each other. A central electrode is not electrically connected to the flat electrodes. The central electrode is provided on a side of an intermediate layer. The central electrode is arranged above the two electrodes so that the electrodes are contacted with an electrical connection (10). A thickness of the intermediate layer is from 20 micrometers to 10 millimeters. The transducer is manufactured by a screen-printing technique. An independent claim is also included for a method for production of an electrostatic thin-film sound transducer.

Abstract (de)

Beschrieben wird ein elektrostatischer Folienschallwandler, welcher mindestens zwei lateral beabstandet angeordnete flächige Elektroden sowie mindestens eine elektrisch nicht mit diesen flächigen Elektroden verbundene flächige und über den beiden lateral beabstandet angeordneten Elektroden angeordnete elektrisch leitfähige schallgebende Folie (7) umfasst. Darüber hinaus wird die Herstellung des elektrostatischen Folienschallwandlers und dessen Verwendung beschrieben.

IPC 8 full level

H04R 19/00 (2006.01)

CPC (source: EP KR US)

H04R 7/02 (2013.01 - KR); **H04R 19/013** (2013.01 - EP KR US); **H04R 31/006** (2013.01 - KR)

Citation (search report)

- [XY] JP S539517 A 19780128 - TOKYO SHIBAURA ELECTRIC CO
- [Y] JP S58171200 A 19831007 - TOKYO SHIBAURA ELECTRIC CO
- [Y] JP S57148500 A 19820913 - MATSUSHITA ELECTRIC IND CO LTD
- [A] EP 0258912 A1 19880309 - PHILIPS NV [NL]
- [A] JP 2006101302 A 20060413 - AUDIO TECHNICA KK
- [A] JP H02179200 A 19900712 - SEIKOSHA KK
- [A] EP 0549200 A1 19930630 - AMERICAN TELEPHONE & TELEGRAPH [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 2009950 A1 20081231; EP 2172061 A1 20100407; KR 20100031582 A 20100323; TW 200913755 A 20090316; US 2010177914 A1 20100715; WO 2009000922 A1 20081231; WO 2009000922 A8 20091230

DOCDB simple family (application)

EP 07111302 A 20070628; EP 08774455 A 20080627; EP 2008058293 W 20080627; KR 20097027013 A 20080627; TW 97124295 A 20080627; US 66639608 A 20080627